

New Horizons Explores the Pluto System

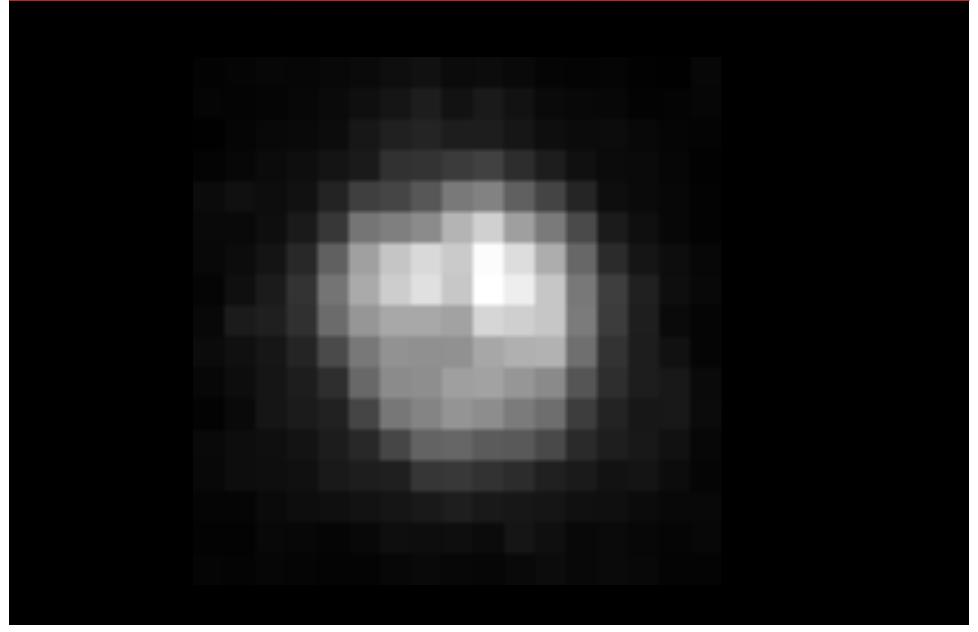
John Spencer Southwest Research Institute Boulder, Colorado

"Impact of Discovery" Workshop April 9th 2016



Best Picture of Pluto Before 2015







Pluto Weather Forecast





PLUTO WEATHER SERVICE



Current Conditions



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En Español



Light Snow

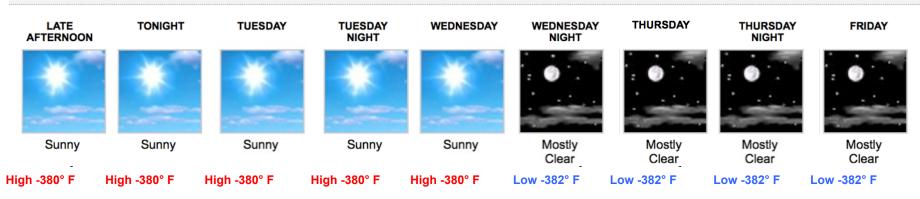
-380°F -229° C

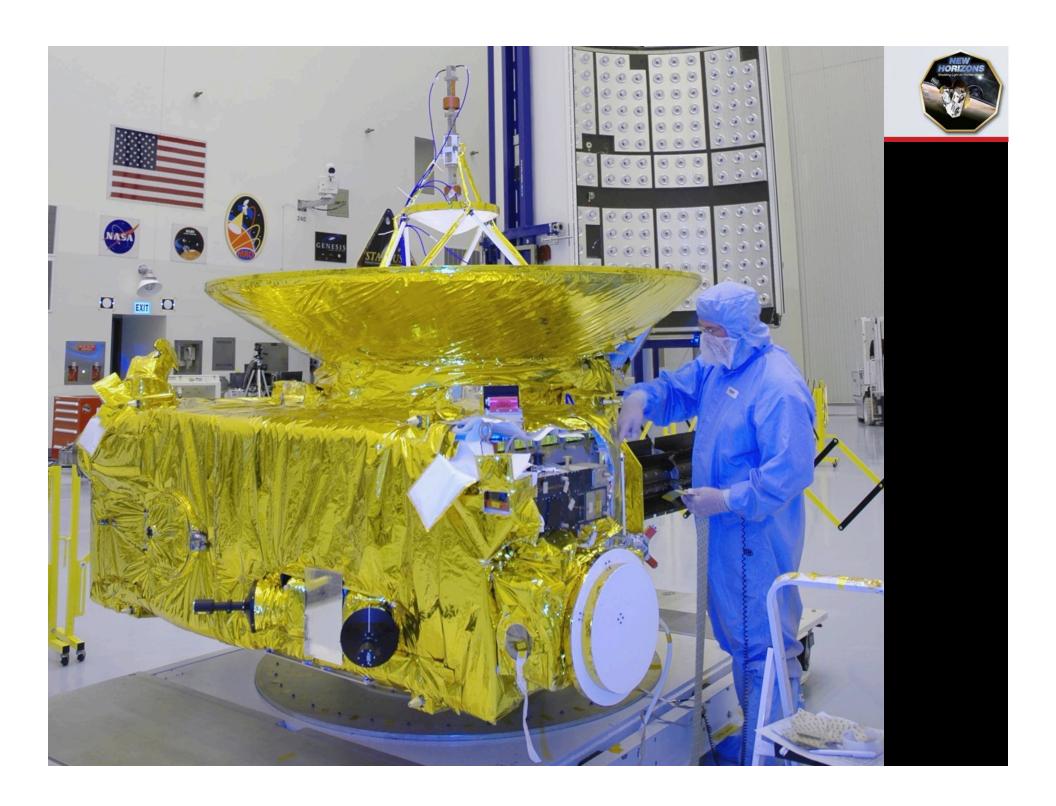
Methane Humidity 100% Wind Speed 40 mph Barometer 0.0003 inches Visibility 50 miles Wind Chill Don't Ask

More Local Wx | 3 Day History | Mobile Weather

7 Day Forecast

For More Weather Information: NASA's New Horizons Mission

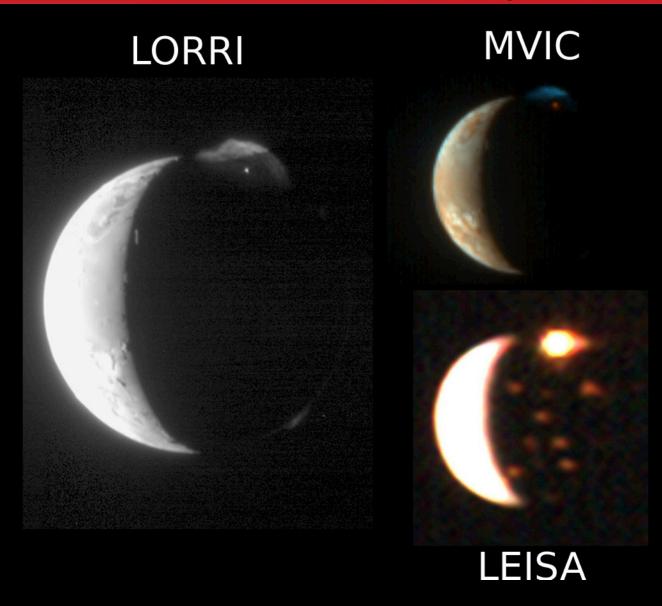






Jupiter's Moon Io: Through New Horizon's Several Eyes

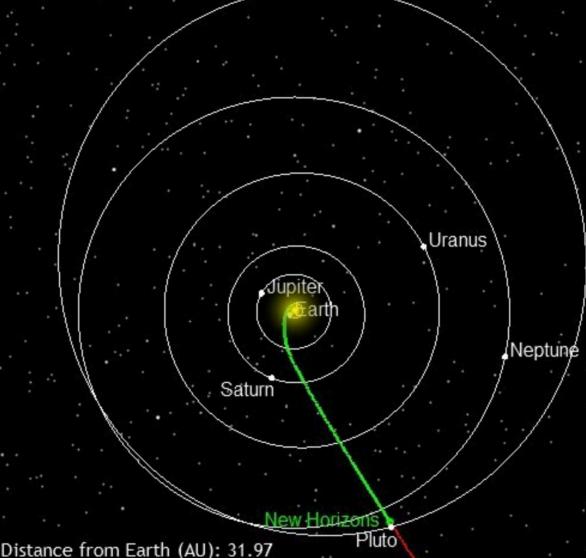






New Horizons Full Trajectory - Overhead View

Distance from Sun (AU): 32.17 Heliocentric Velocity (km/s): 14.57



Distance from Earth (AU): 31.97

Distance from Pluto (AU): 0.71

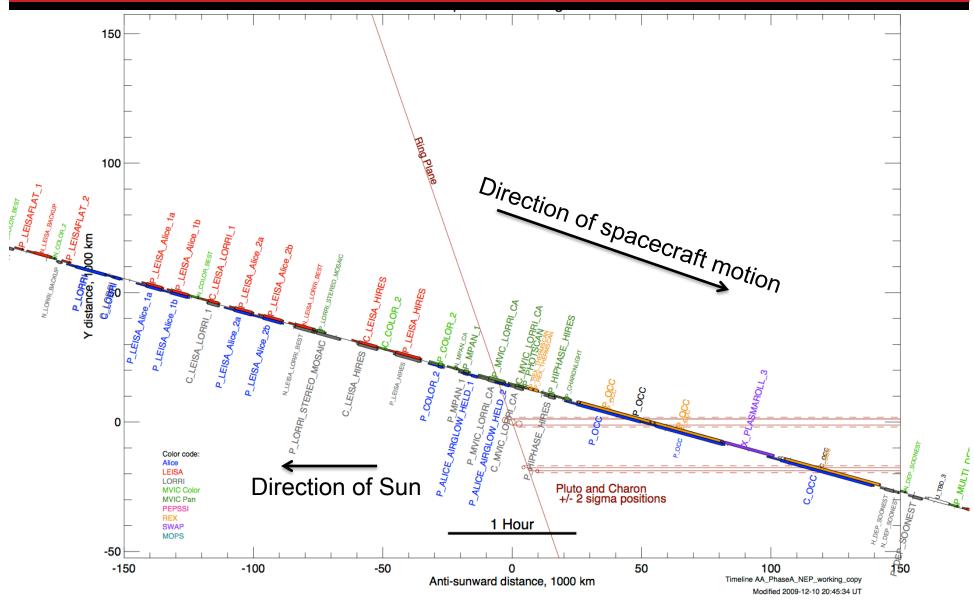
Round-Trip Light Time (hh:mm:ss): 08:51:47 -

16 Apr 2015 21:00:00 UTC



Pluto Encounter Day







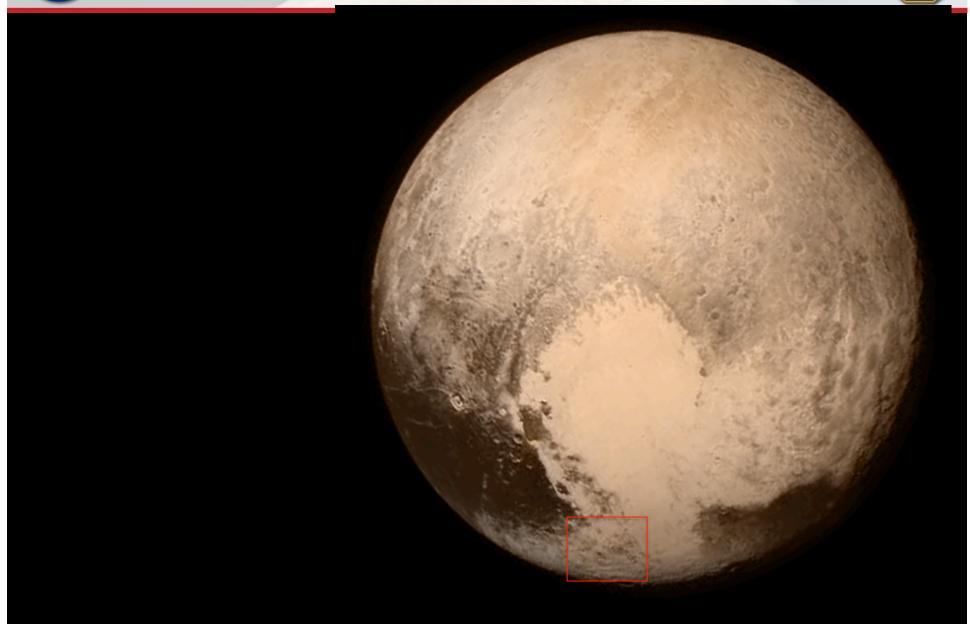
July 15th: P+1 First Closeup Images

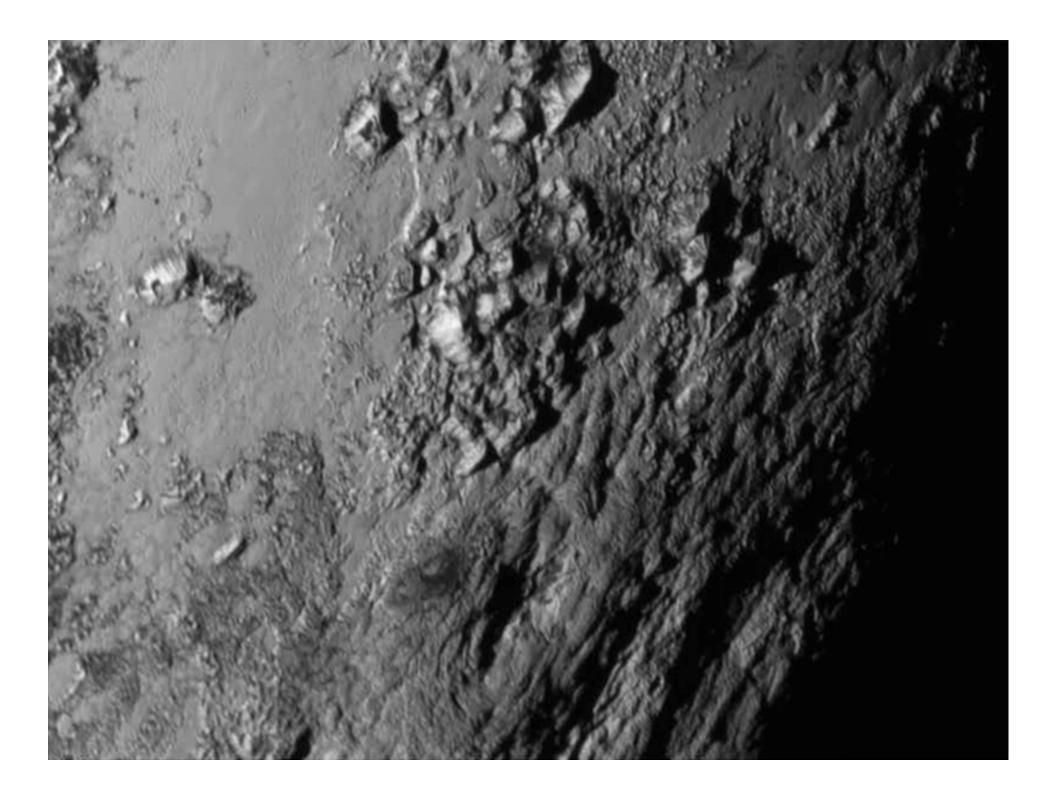


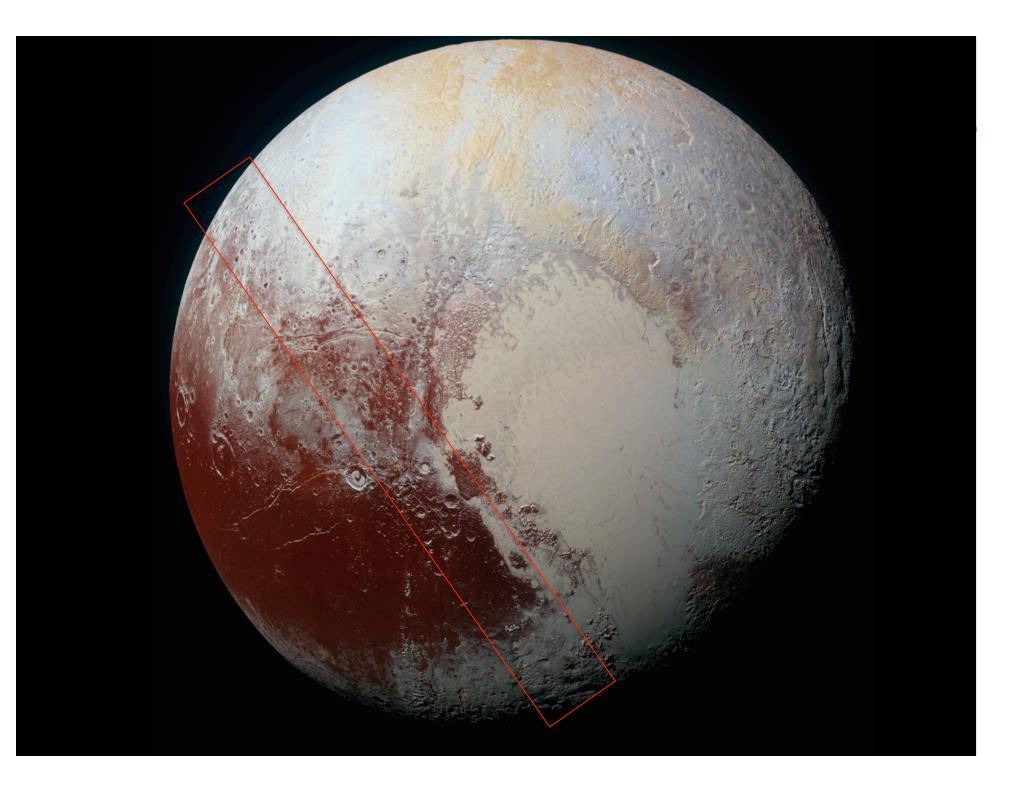


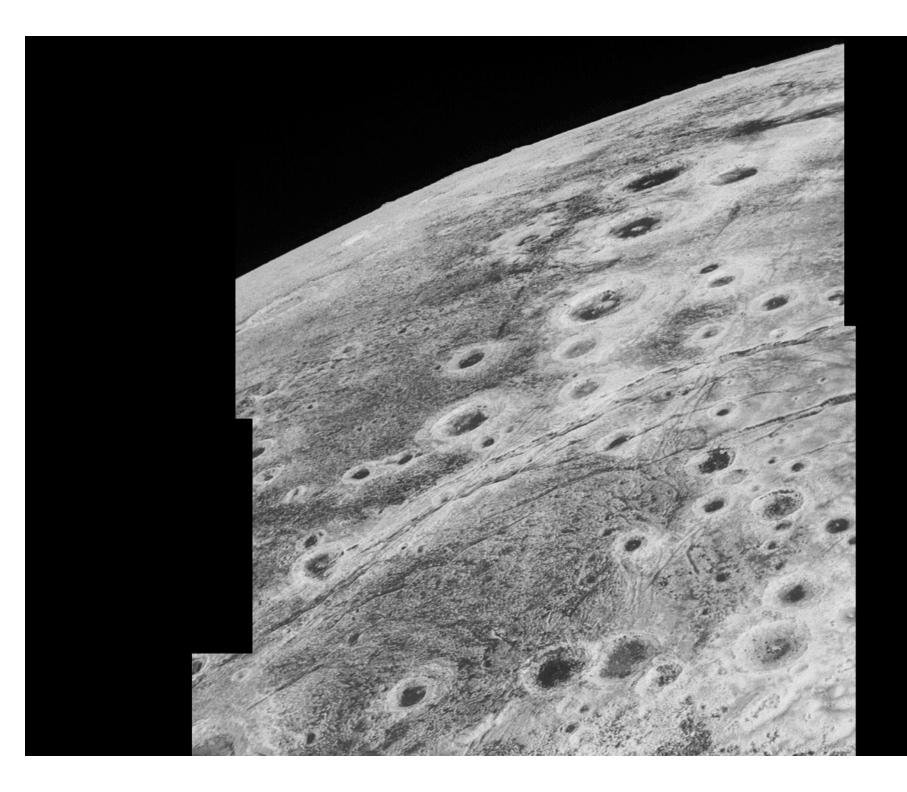










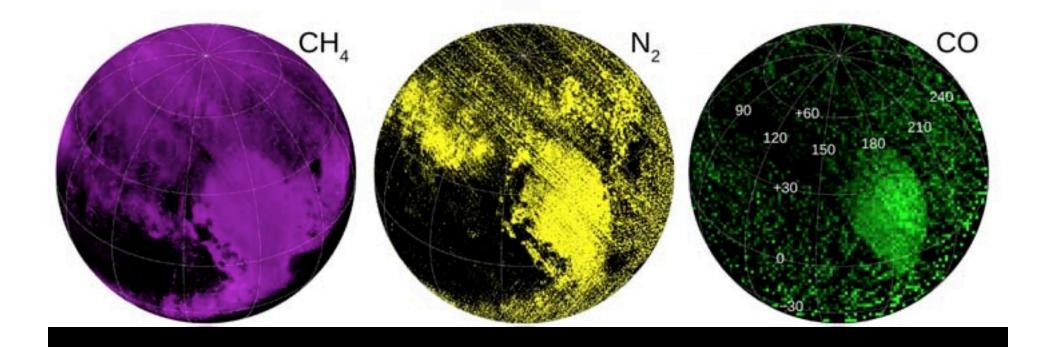


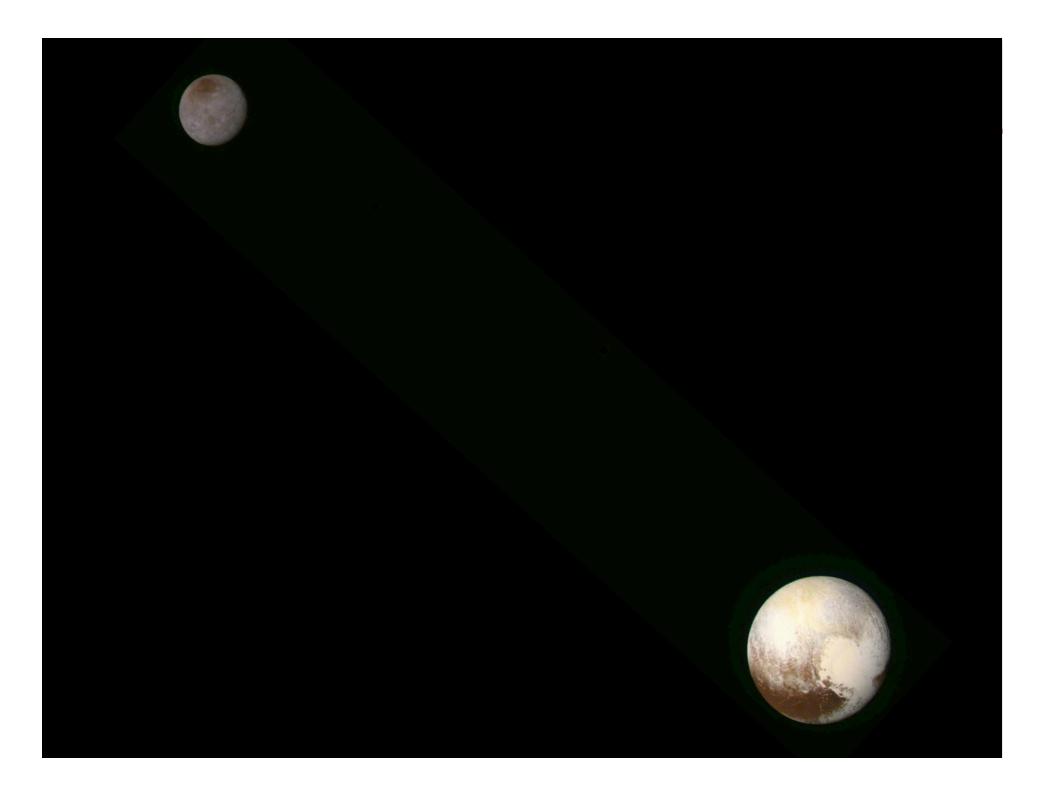


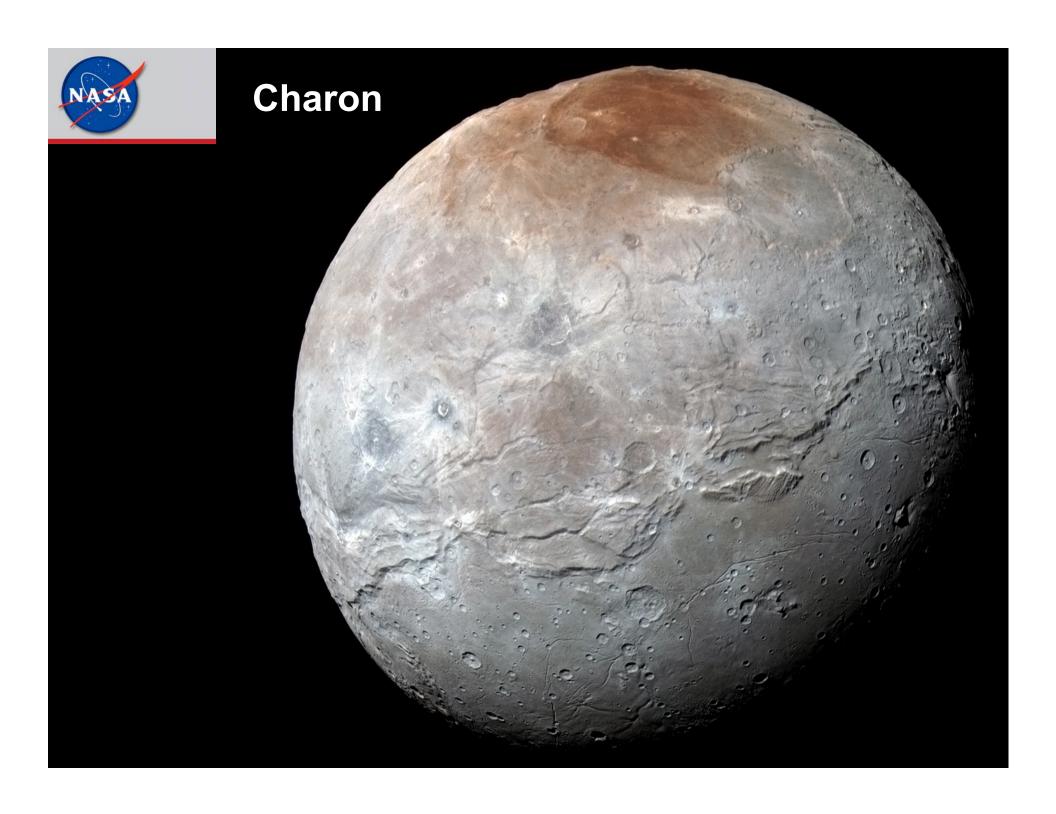
Mapping Composition

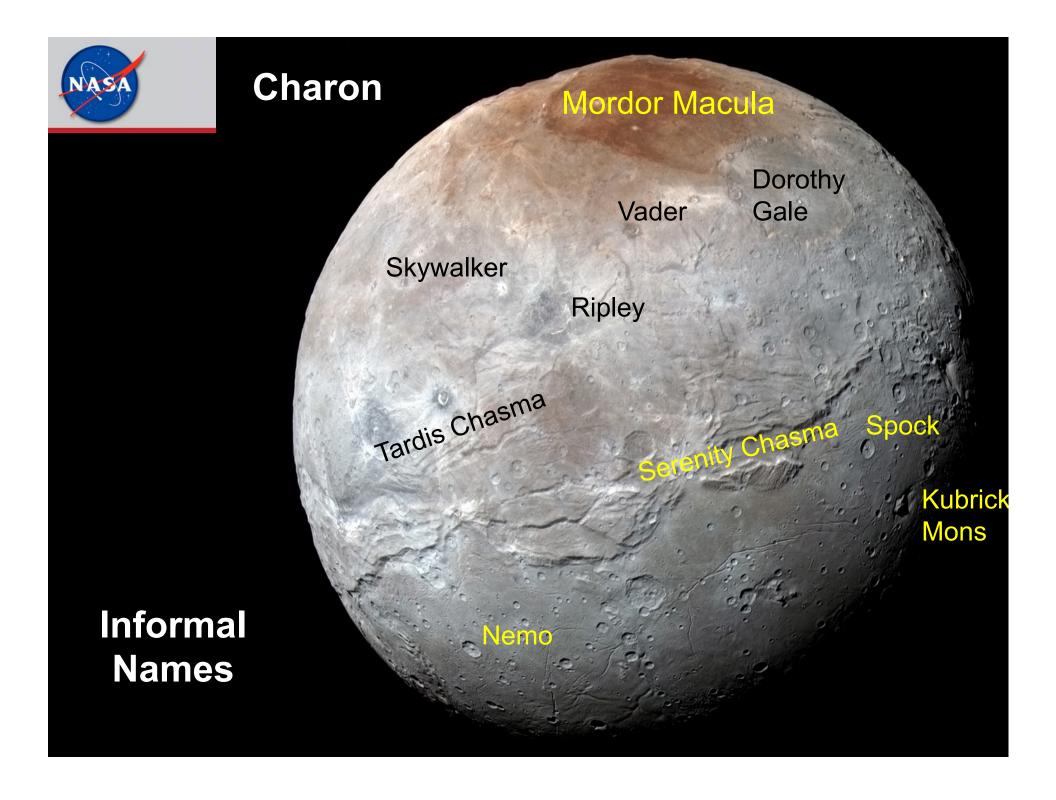


Methane, nitrogen, carbon monoxide Probably dominantly frozen nitrogen







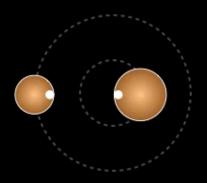




Pluto's Small Moons



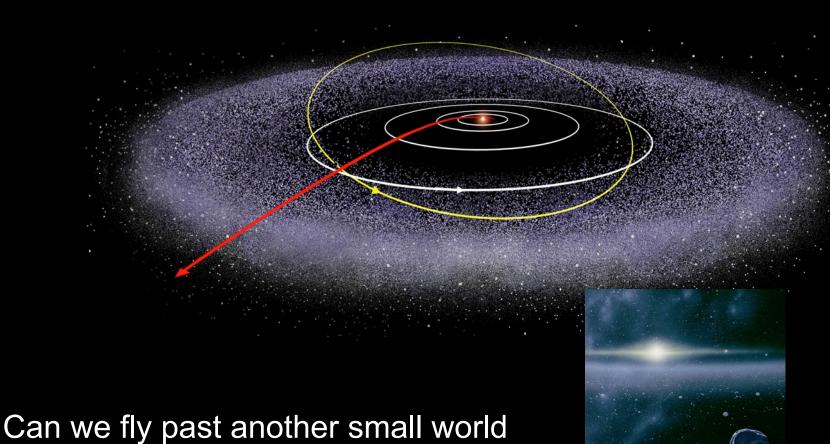






On To the Kuiper Belt

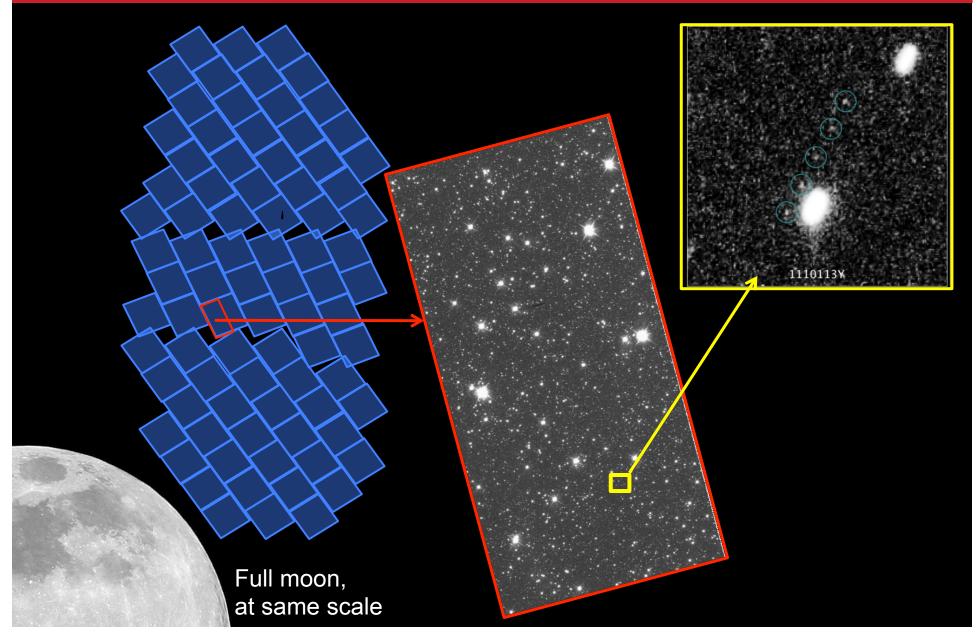




Can we fly past another small world deeper in the Kuiper Belt? First we had to find one...

Finding a Target in the Kuiper Belt







January 1st 2019



- Fly past one last world (if approved by NASA)
- Then onwards into interstellar space

